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INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY Poland

REPORT

SUBJECT Precision Instrument Factory A-6
in Swidnica / *production, description
of facility, manpower, import &
export*

DATE DISTR. 7 APR 1958

NO. PAGES 3

REFERENCES RD

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. The Precision Instrument Works (Zaklady Wytworcze Aparatury Precyzyjnej), called A-6, in Swidnica is subordinate to the Central Administration of the Electrical Instrument Industry, which is under the Ministry of Machine Industry.¹ Located at No. 29 Lukasinskiego Street, the site of a former German factory, the A-6 plant has been repaired and expanded by the Poles since World War II. In mid-1957 the plant employed approximately 2,000 workers, only five per cent of whom were engaged in "S" (military) production.

2. A-6 produces electrical consumption meters which are based on a prewar German model designated "A-2". It is the only factory in Poland which produces electric meters. Annual production amounts to approximately 300,000 - 350,000 units for domestic use (one phase meters), and 60,000 units for industrial use (three phase meters). The domestic type meters were not up to international standards, however, and after efforts to export this item had failed, the plant began the manufacture of an improved model, marked "A-3".

3. [REDACTED]
4. The A-6 plant manufactures other products for the civilian market as follows:
- Variometers (waromierz).
 - Wattmeters (watomierz). Production of this item, combined with that of the variometer, amounted to 30 units per month.
 - Electric clocks in various sizes, produced at the rate of 500-600 units per month.
 - Transformers for radio receivers (in cooperation with the T-6 Radio Factory in Dzierzoniow) at the rate of 10,000 units per month.
 - Starter switches for fluorescent tubes (in cooperation with the plant at Kozuchow). The 1957 production program called for the manufacture of 30,000 units per month.

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- f. Automatic switches for staircase lighting. In 1957 it was planned to manufacture approximately 2,000 units monthly, part of which was to be exported [redacted] Manufacture of the three last-mentioned items was introduced only during the past year to combat the lack of orders for electric consumption meters either from the domestic market or from abroad, a result of the plant's large stockpile of this product. 25X1
5. The A-6 plant manufactures the following items for military purposes:
- a. Air pressure gauges, with three dials, for jet aircraft (elektryczny manometr z trzema zakresami cisnienia). This instrument, [redacted] is manufactured according to Soviet technical documentation and is intended for the WSK Mielec aircraft plant. Annual output is 300-400 units. 25X1
- b. Air pressure gauge with one dial, [redacted] for jet aircraft. Manufactured according to Soviet technical documentation, this instrument is intended for the WSK Mielec aircraft plant. Annual output is 300-400 units. 25X1
- c. Voltage regulators (regulator napiecia), [redacted] for 24 V used in aircraft.² Manufactured according to Soviet technical documentation, this instrument is intended for the WSK Mielec aircraft plant. Annual production is 150-200 units. The above-mentioned military products were also being manufactured by Czechoslovakia. As this sort of duplication was considered neither economical nor conducive to production improvement, discussions on the subject were held between Czechoslovakia and Poland, but it is not known if any decision was made. 25X1
6. The A-6 plant is equipped with the following machinery:
- a. 20-30 presses of Polish and Soviet manufacture, and several old German-made presses.
- b. Approximately 25 old lathes.
- c. Seven modern lathes.
- d. Six milling machines.
- e. Three planing machines.
- f. One SIP polishing machine.
- g. Approximately 20 presses in the Bakelite shop.
- h. Approximately ten gas and electric furnaces in the hardening shop.
- i. Approximately 20 test benches for electric meters.
- j. Eight motor vehicles.

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7. Although generally there was no shortage of raw materials at the A-6, plant, there was difficulty in obtaining certain items. Metal sheets (glebokotloczne) of 0.8, 1.0, and 1.2 mm could not be obtained easily. Special bearings of 1 mm diameter, used in electric meters, had to be imported. There was a shortage of thin electric wire (0.1 mm) which, because it is not manufactured in Poland, is presumably obtained from the West through unknown channels. Difficulties were also encountered in obtaining automatic (tool?) steel, Bakelite powder, certain nonferrous metals, and phosphorus powder.

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1. Comment: Now the Ministry of Heavy Industry.
2. Comment: Since the LOT airline has also ordered a number of these voltage regulators, it is assumed that the instrument can be used in piston aircraft.

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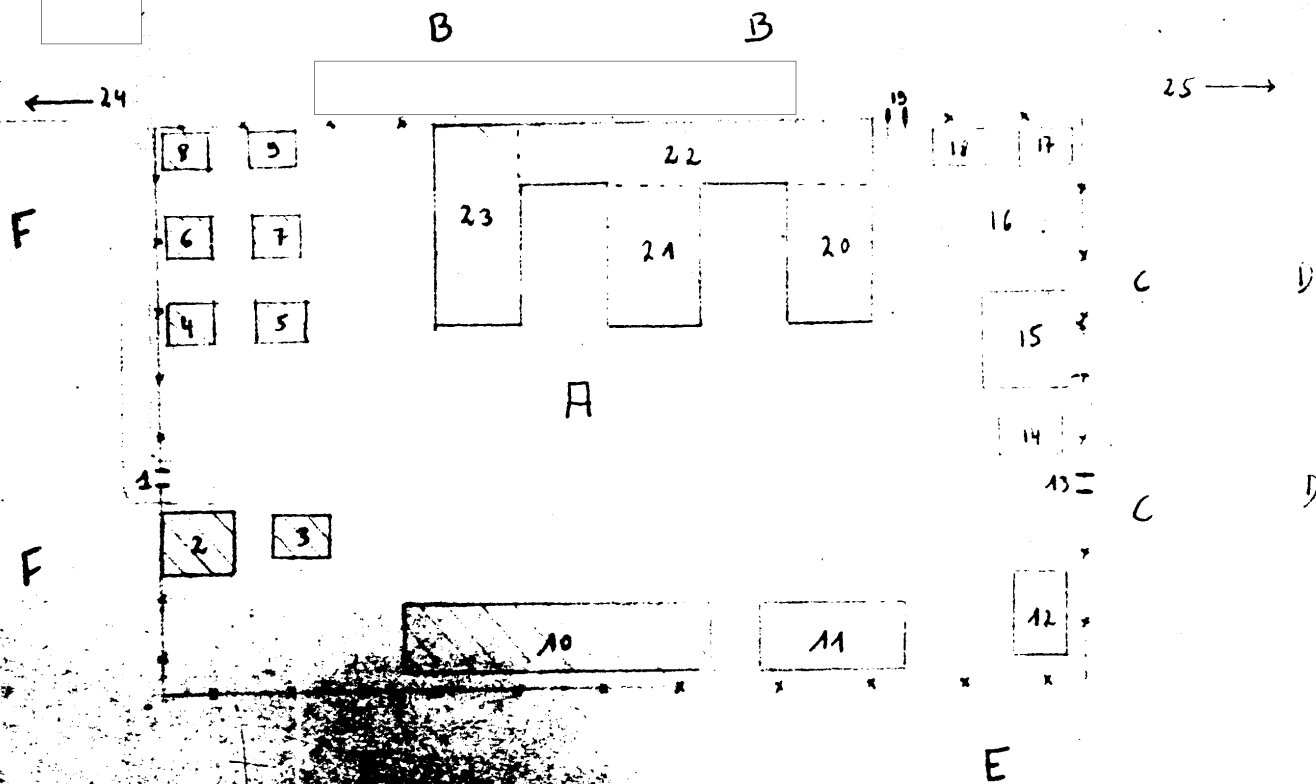
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Legend - A-6 Works

- A. Area of the A-6 Works, approximately 500 m x 300 m.
- B. Workers' housing.
- C. Plots of land belonging to workers.
- D. German cemetery.
- E. Soviet military barracks (former German camp).
- F. Public park.
- 1. Main entrance.
- 2. Guard room and permit office.
- 3. Fire brigade post.
- 4. Mechanical shop of the maintenance department.
- 5. Electrical shop of the maintenance department.
- 6. Boiler plant.
- 7. Small blacksmith's shop.
- 8. Dispensary.
- 9. Hardening shop.
- 10. Management offices (one-story building).
- 11. Dining hall.
- 12. Stores.
- 13. Side gate (used only to reach the land plots of the workers)
- 14. Carpentry shop.

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15. Garage.
16. Storage lot for empty boxes.
17. Raw material stores.
18. Raw material stores.
19. Side gate.
20. First floor: No. 2 mechanical shop (P-102)
Second floor: Store for finished products
Third floor: Technical bureaus
21. First floor: No. 1 mechanical shop (P-101)
Second floor: Electric meter production shop (P-108)
Third floor: Electric meter assembly shop
22. First floor; Distribution of materials for mechanical shops
No. 1 and 2
Second floor: Assembly shop
Third floor: Technical and control offices.
23. First floor: Bakelite shop, tool-making shop
Second floor: "S" (military) production

Note: This building is a three-story structure, except for the wing marked 23 which has two stories. Its dimensions are: 150 m by 50 m.
24. Lukasinskiego Street, leading to the center of town.
25. Lukasinskiego Street, leading in the direction of Jaworzyna Slaska.